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**MORRISON & FOERSTER LLP**

Attorneys at Law  
755 Page Mill Road  
Palo Alto, California 94304-1018  
Telephone: (650) 813-5600  
Facsimile: (650) 494-0792

**To:**

NAME:	FACSIMILE:	TELEPHONE:
Commissioner for Patents United States Patent and Trademark Office	(703) 872-9306	(703) 305-1880

**FROM:** Rebecca Shortle**DATE:** April 22, 2004

Number of pages with cover page:	9
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**Comments:****Comments: RESPONSE TO RESTRICTION REQUIREMENT****DOCKET NO.: 529212000300****GROUP ART UNIT: 1624****EXAMINER: B. Coleman****SERIAL NO.: 10/071,377****FILING DATE: February 7, 2002****INVENTOR(S): Timothy B. KARPISHIN et al.****TITLE: AMPHIPHILIC MOLECULAR MODULES AND CONSTRUCTS BASED THEREON****Papers attached:**

1. Transmittal ( 1 page)
2. Fee Transmittal w/duplicate copy for fee processing (2 pages)
3. Amendment/Response (4 pages)
4. Petition for Extension of Time (1 page)

PA-880250

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE


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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	10/071,377
		Filing Date	February 7, 2002
		First Named Inventor	Timothy B. KARPISHIN
		Art Unit	1624
		Examiner Name	B. Coleman
Total Number of Pages in This Submission	8	Attorney Docket Number	529212000300

## ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form + duplicate for fee processing (2 pages) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (4 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request (1 page) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax cover sheet
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 25226) Rebecca Shortle - 47,083
Signature	
Date	April 22, 2004

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below.

Dated: April 22, 2004

Signature:  (Carolyn G. McKubre)

pa-880207

PTO/SB/17 (10-03)

Approved for use through 7/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

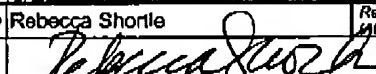
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FEE TRANSMITTAL for FY 2004		Complete if Known	
Effective 10/01/2003, Patent fees are subject to annual revision.		Application Number	10/071,377
		Filing Date	February 7, 2002
		First Named Inventor	Timothy B. KARPISHIN
		Examiner Name	B. Coleman
		Art Unit	1624
		Attorney Docket No.	529212000300
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT		(\$)	
		462.00	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																																																					
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SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Rebecca Shortle	Registration No. (Attorney/Agent)	47,083
Signature		Telephone	(650) 813-5654
		Date	April 22, 2004

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I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9308 on the date shown below.

Dated: 4/22/04 Signature:   
(Carolyn McKubre)

Docket No.: 529212000300  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Timothy B. KARPISHIN et al.

Application No.: 10/071,377

Confirmation No.: 1762

Filed: February 7, 2002

Art Unit: 1624

For: AMPHIPHILIC MOLECULAR MODULES  
AND CONSTRUCTS BASED THEREON

Examiner: B. Coleman

**RESPONSE TO RESTRICTION REQUIREMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the restriction requirement set forth in the Office Action dated January 23, 2004 (Paper No. 20040116) for which a response was due on February 22, 2004 for which a two-month extension of time is also requested to extend the time for response from February 22, 2004 to April 22, 2004. Accordingly, this response is timely filed.

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**REMARKS**

The Examiner has required restriction between:

- I. Claims 1-7, 10, 13-19, 20-22 and 42-45, drawn to the amphiphilic module consisting of 8 synthons where 4 are phenyl rings and 4 are cyclohexyl rings.
- II. Claims 1-7, 10, 13-16, 20-22 and 42-45, drawn to the amphiphilic module consisting of 8 synthons where 4 are phenyl rings and 4 are piperidyl rings.
- III. Claims 1-7, 10, 13-16, 23-25 and 42-45, drawn to the amphiphilic module consisting of 8 synthons where 4 are phenyl rings and 4 are bicyclo[2.2.1]heptyl rings.
- IV. Claims 1-7, 11, 26-32, 36-38 and 42-45, drawn to the amphiphilic module consisting of 6 synthons where 3 are phenyl rings and 3 are cyclohexyl rings.
- V. Claims 1-7, 11, 26-29, 33-35 and 39-45, drawn to the amphiphilic module consisting of 6 synthons where 3 are phenyl rings and 3 are bicyclo[2.2.1]heptyl rings.
- VI. Claims 1-8 and 42-45, drawn to the amphiphilic module consisting of 12 synthons.
- VII. Claims 1-7, 9 and 42-45, drawn to the amphiphilic module consisting of 10 synthons.
- VIII. Claims 1-7, 12, and 42-45, drawn to the amphiphilic module consisting of 4 synthons.
- IX. Claims 46-49, drawn to a two dimensional array.

Applicants hereby elect Group IV, claims 1-7, 11, 26-32, 36-38 and 42-45, with traverse. Applicants submit that the claims as grouped are from the same inventive effort and project.

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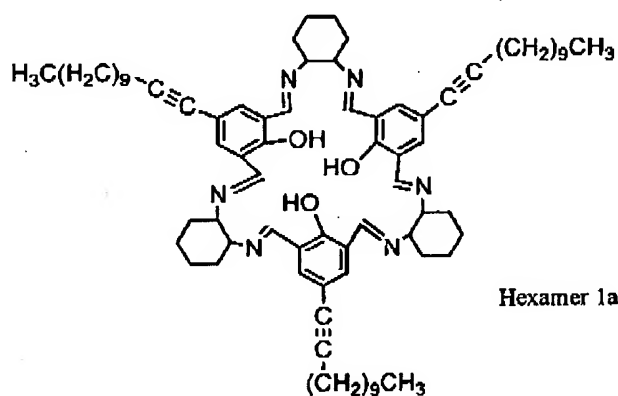
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Applicants respectfully submit that there is insufficient showing by the Patent Office why the claims as grouped represent inventions which are independent and distinct.

Applicants note the Examiner's requirement for a tentative election of a single species and further note that no specific definition of species has been provided for purposes of this Examination. Applicants interpret the Examiner's requirement as a request for a particular compound from which the Examiner can base a search. For purposes of complying with 37 C.F.R. 1.143 only, Applicants elect the following species:



Applicants expressly reserve the right under 35 U.S.C. § 121 to file a divisional application directed to the nonelected subject matter during the pendency of this application, or an application claiming priority from this application.

Applicant requests examination of the elected subject matter on the merits.

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**CONCLUSION**

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing (529212000300). However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: April 22, 2004

Respectfully submitted,

By 

Rebecca Shortle

Registration No.: 47,083

MORRISON &amp; FOERSTER LLP

755 Page Mill Road

Palo Alto, California 94304

(650) 813-5654

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